Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/02/2022 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124740	-1	1.40	124635	1.37
Blue	F	SSC	125000	123796	-1	2.43	124243	2.28
Blue	E	FITC	13602	13143	-4	2.46	367	13.37
Blue	D	PE	24891	24700	-1	1.92	585	10.59
Blue	B	PerCP-Cy5-5	33972	33078	-3	3.18	943	14.74
Blue	A	PE-Cy7	22865	22502	-2	5.15	468	30.11
Red	C	APC	47198	46521	-2	2.93	1611	11.15
Red	A	APC-Cy7	26454	25536	-4	3.41	723	12.29
Violet	B	V450	6737	6427	-5	3.67	449	11.20
Violet	A	V500	29317	27992	-5	3.18	956	8.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24279	2.65	536	1	N/A	N/A	Pass
Blue	F	SSC	55577	2.06	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	486	2	0.0446	102	Pass
Blue	D	PE	113	39.41	490	4	0.4051	323	Pass
Blue	B	PerCP-Cy5-5	149	41.34	582	3	0.0207	96	Pass
Blue	A	PE-Cy7	77	82.37	625	4	0.0235	13	Pass
Red	C	APC	335	26.51	573	1	0.0321	356	Pass
Red	A	APC-Cy7	134	35.04	550	-1	0.0066	1480	Pass
Violet	B	V450	76	48.08	450	0	0.0689	3043	Pass
Violet	A	V500	113	31.00	469	0	0.0260	893	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.46	-31.26	1.03
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.14	13.90 - 20.86	N/A	N/A	29.62	29.88	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9814

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments